

**BEST AVAILABLE COPY**Customer No.: 31561  
Application No.: 10/709,413  
Docket No.: 12322-US-PA**AMENDMENT**

Please amend the application as indicated hereafter.

**In the Claims :**

1. (original) A method of fabricating cell detection chip, comprising:  
designing a plurality of probe molecules, wherein an affinity exists between each of the probe molecules and one of corresponding specific molecules on a cell membrane;  
synthesizing a plurality of the probe molecules; and  
spotting the probe molecules respectively on a matrix.
2. (original) The method as in claim 1, wherein the specific molecules comprises at least one from a group consisting of antibodies and antigens.
3. (original) The method as in claim 1, wherein the step of designing the probe molecules further comprises designing a plurality of quality control probes.
4. (original) The method as in claim 1, wherein the step of designing the probe molecules further comprises a plurality of location indication probes.
5. (original) The method as in claim 1, after the step of synthesizing the probe molecules, further comprising the step of dissolving the probe molecules in a solvent to form a solution of the probe molecules.

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6. (original) The method as in claim 1, after the step of spotting the probe molecules, further comprising the step of incubating the matrix to keep the matrix under a wet environment.

7. (original) The method as in claim 6, after the step of incubation, further comprising the steps of:

drying the matrix; and

cleaning the matrix.

8. (original) The method as in claim 7, after the step of cleaning the matrix, further comprising the steps of:

blocking portions of a surface of the matrix not spotted with the probes, wherein a blocking solution is used; and

further cleaning the matrix.

9. (original) The method as in claim 1, wherein a radius of the spotted probe is between 50 and 500  $\mu\text{m}$ .

Claims 10-20 (canceled).